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File: JPAB

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PUB-NO: JP407025764A

DOCUMENT-IDENTIFIER: JP 07025764 A

TITLE: ANTIBACTERIAL AGENT

PUBN-DATE: January 27, 1995

INVENTOR-INFORMATION:

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APPL-NO: JP05193865

APPL-DATE: July 12, 1993

INT-CL (IPC): A61 K 31/365; A01 N 43/90; A23 L 3/3544; A61 K 7/16; A61 K 35/78; C07 D 493/04

ABSTRACT:

PURPOSE: To obtain an antibacterial agent originated from natural resource, having excellent safety and active against pathogenic bacteria for dental caries, periodontosis, etc., by using geranoxypsoralen, etc., as an active component.

CONSTITUTION: This antibacterial agent contains 8-geranoxypsoralen of the formula I, 5-geranoxypsoralen of the formula II and/or 5-geranoxo-7-methoxycoumarin of the formula III as active components. The agent can be extracted, e.g. by leaving standing the peel of citrus fruit such as lemon in methanol for 3 days at 37°C.

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Tadahiro HIRAMOTO et al.

Group Art Unit: 1651

Serial Number: 10/100,189

Examiner: Unknown

Filed: March 19, 2002

For: ANTIBACTERIAL AGENT

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.97(b)

Assistant Commissioner
for Patents
Washington, D.C. 20231

April 24, 2003

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. Documents UA to UC, FA to FE and DA to DG have been cited in a search report in a corresponding European application. One copy of each of the listed documents and a copy of the search report is attached.

No fee or certification is required in connection with this Information Disclosure Statement, since it is being submitted prior to the last of (1) issuance of a first official action on the merits and (2) expiration of the three month period following filing of the above-captioned application.

No explanation of documents UA to UC, FA to FE and DA to DG is believed to be required under 37 C.F.R. §1.98 because the documents

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INFORMATION DISCLOSURE STATEMENT

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are in English.

Documents FF and FG are not in the English language. However, an English abstract of each of the documents is submitted herewith. Therefore, the concise explanation of the relevance of each of these documents required under 37 C.F.R. §1.98 is believed to be satisfied. Please note that documents DA and DB are also abstracts of documents FF and FG, respectively.

The concise explanation of the relevance of the documents required under 37 C.F.R. §1.98 is also believed to be satisfied by submission of the European Search Report (MPEP 609 A(3)).

The Commissioner is authorized to charge our Deposit Account No. 111833 for any fee which is deemed by the Patent and Trademark Office to be required to effect consideration of this statement.

Respectfully submitted,

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Attachments: PTO-1449
European Search Report
17 Documents